IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

Listing of Claims:

What is claimed is:

1. (Previously Presented) A calibration method comprising:

reading image information comprising sensing values from a plurality of pixels of an image of a calibration plate, wherein a sensing value corresponds to one of said pixels;

determining a base value in accordance with said sensing values of said calibration plate;

computing respective differences between adjacent sensing values;

storing said base value and said respective differences; and

calibrating image information of an object, wherein said base value is added to a first sensing value of the image information of said object and each sequential sensing value of the image information of said object is added by one of said respective differences corresponding thereto.

2. (Previously Presented) The calibration method of claim 1, wherein said base value comprises a minimum value among said sensing values of said calibration plate.

3. (Previously Presented) The calibration method of claim 1, wherein said base value comprises a medium value of said sensing values of said calibration plate.

4. (Previously Presented) The calibration method of claim 1, further comprising determining storage bits of one of said respective differences depending on a distribution range of said respective differences.

5. (Previously Presented) The calibration method of claim 1, further comprising executing said calibrating image information of said object at least via an additive circuit and a compensating/computing circuit.

6. (Previously Presented) The calibration method of claim 1, wherein reading image information from a plurality of pixels of a calibration plate comprises reading image information from a plurality of pixels of a white calibration plate or a black calibration plate.

7. (Previously Presented) A calibration method comprising:

reading image information comprising sensing values from a plurality of pixels of an image of a calibration plate, wherein a sensing value corresponds to one of said pixels;

determining a base value in accordance with said sensing values of said calibration plate;

computing a difference between said base value and each of said sensing values of said calibration plate;

storing said base value and said differences; and

calibrating image information of an object, wherein each sensing value of the image information of said object is added by said base value and one of said differences corresponding thereto.

8. (Previously Presented) The calibration method of claim 7, wherein said base value comprises a minimum value among said sensing values of said calibration plate.

9. (Previously Presented) The calibration method of claim 7, wherein said base value comprises a medium value of said sensing values of said calibration plate.

10. (Previously Presented) The calibration method of claim 7, further comprising determining storage bits of one of said respective differences depending on a distribution range of said respective differences.

11. (Previously Presented) The calibration method of claim 7, further comprising executing said calibrating image information of said object at least via an additive circuit and a compensating/computing circuit.

12. (Previously Presented) The calibration method of claim 7, wherein reading image information from a plurality of pixels of a calibration plate comprises reading image information from a plurality of pixels of a white calibration plate or a black calibration plate.

13. (Previously Presented) An apparatus, comprising:

means for reading image information comprising sensing values from a plurality of pixels of an image of a calibration plate, wherein a sensing value corresponds to one of said pixels;

means for determining a base value in accordance with said sensing values of said calibration plate;

means for computing respective differences between adjacent sensing values;

means for storing said base value and said respective differences; and

means for calibrating image information of an object, wherein said base value is added to a first sensing value of the image information of said object and each sequential sensing value of the image information of said object is added by one of said respective differences corresponding thereto.

14. (Previously Presented) The apparatus of claim 13, wherein said base value comprises a minimum value among said sensing values of said calibration plate.

15. (Previously Presented) The apparatus of claim 13, wherein said base value comprises a medium value of said sensing values of said calibration plate.

16. (Previously Presented) The apparatus of claim 13, further comprising means for determining storage bits of one of said respective differences depending on a distribution range of said respective differences.

17. (Currently Amended) ~~An article comprising: a~~ A computer readable storage medium having stored thereon instructions, that, if executed by a computer, perform a method comprising ~~result in~~:

reading image information comprising sensing values from a plurality of pixels of an image of a calibration plate, wherein a sensing value corresponds to one of said pixels;

determining a base value in accordance with said sensing values of said calibration plate;

computing a difference between said base value and each of said sensing values of said calibration plate;

storing said base value and said differences; and

calibrating image information of an object, wherein each sensing value of the image information of said object is added by said base value and one of said differences corresponding thereto.

18. (Currently Amended) The computer readable storage medium ~~article~~ of claim 17, wherein said base value comprises a minimum value among said sensing values of said calibration plate.

19. (Currently Amended) The computer readable storage medium ~~article~~ of claim 17, wherein said base value comprises a medium value of said sensing values of said calibration plate.

20. (Currently Amended) The computer readable storage medium ~~article~~ of claim 17, wherein the instructions, if executed, further result in determining storage bits of one of said respective differences depending on a distribution range of said respective differences.